

Serial No. Unassigned

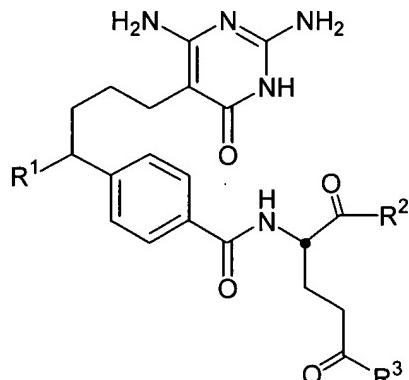
TSRI 880.1

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

What is claimed is:

Claim 1 (original): A compound represented by the following structure:



wherein:

R¹ is a radical selected from the group consisting of -C(O)H, -CH₂OH, -CH=NNMe₂,

10 -C(O)CF₃, and -CH(OH)CF₃;

R² is a radical selected from the group consisting of -OH, -OtBu, glutamyl, and oligoglutamyl;

R³ is a radical selected from the group consisting of -OH, -OtBu, glutamyl, and oligoglutamyl;

15 each glutamyl being independently represented by the formula:

-NHCH(C(O)R⁴)(CH₂)₂C(O)R⁵ wherein R⁴ and R⁵ are each radicals independently selected from the group consisting of -OH and -OtBu;

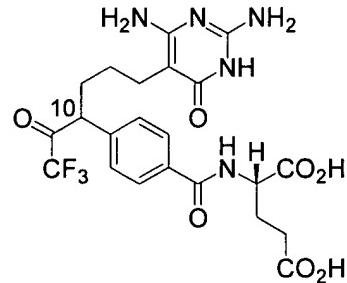
each oligoglutamyl having at least one terminal glutamyl and between one and four non-terminal glutamyl residues;

each terminal glutamyl being independently represented by the formula
-NHCH(C(O)R⁴)(CH₂)₂C(O)R⁵ wherein R⁴ and R⁵ are each radicals
independently selected from the group consisting of -OH and -O*t*Bu;
each non-terminal glutamyl being independently represented by the formula
5 -NHCH(C(O)R⁶)(CH₂)₂C(O)R⁷ wherein R⁶ and R⁷ are each radicals
independently selected from the group consisting of -OH, -O*t*Bu, terminal
glutamyl, and non-terminal glutamyl;
with a proviso that at least one of R⁶ and R⁷ is either terminal glutamyl or non-
terminal glutamyl.

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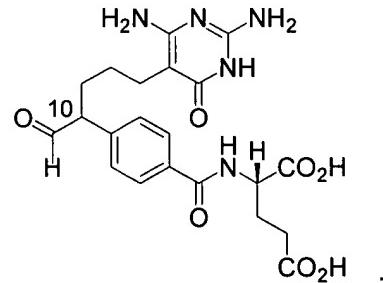
Claim 2 (original): A compound according to claim 1 represented by the following structure:

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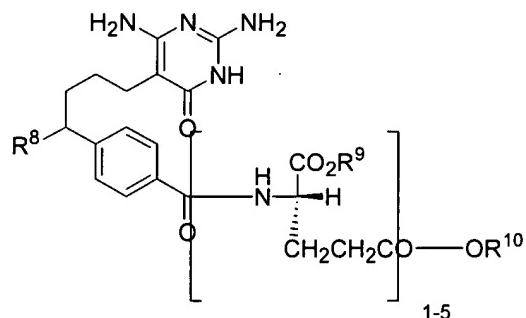
20 Claim 3 (original): A compound according to claim 1 represented by the following structure:

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Claim 4 (original): A compound according to claim 1 represented by the following structure:

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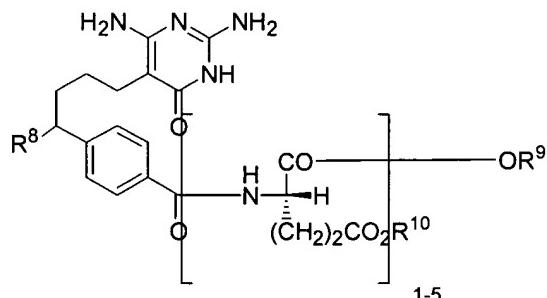
wherein

10 R⁸ is a radical selected from the group consisting of -C(O)H and -C(O)CF₃; and

R⁹ and R¹⁰ are each a radical independently selected from the group consisting of -H and -tBu.

15 Claim 5 (original): A compound according to claim 1 represented by the following structure:

20



wherein

25 R⁸ is a radical selected from the group consisting of -C(O)H and -C(O)CF₃; and

R⁹ and R¹⁰ are each a radical independently selected from the group consisting of -H and -tBu.

Claim 6 (original): A process for inhibiting glycinamide ribonucleotide transformylase
5 comprising the step of contacting the glycinamide ribonucleotide transformylase with an
inhibiting concentration of a compound described in claims 1-5.

Claim 7 (original): A process for inhibiting aminoimidazole carboxamide ribonucleotide
transformylase comprising the step of contacting the aminoimidazole carboxamide
10 ribonucleotide transformylase with an inhibiting concentration of a compound described
in claims 1-5.

Claim 8 (new): A complex comprising glycinamide ribonucleotide transformylase and a
compound of claims 1-5 wherein the compound of claims 1-5 is non-covalently
15 complexed with the glycinamide ribonucleotide transformylase.